

'04

## Timber Management Data Section

In this section, DNR provides data on timber management activities on state trust forestland, as required by RCW 79.10.010 (3):

**...(3) The commissioner of public lands shall provide annual reports to the respective trust beneficiaries, including each county. The report shall include, but not be limited to, the following: acres sold, acres harvested, number of stems per acre, acres precommercially thinned, acres commercially thinned, acres partially cut, acres clearcut, age of final rotation for acres clearcut, and the total number of acres off base for harvest and an explanation of why those acres are off base for harvest.**

### About These Pages

- ▶ These pages include data for Forest Board lands and federally granted trust lands. Trusts are listed individually.
- ▶ Counties that contain Forest Board lands but are not listed for an activity did not have that activity during Fiscal Year 2004.
- ▶ Numbered notes apply only to the page on which they appear.
- ▶ Numbers may not add due to rounding.

# Timber Sold July 1, 2003 – June 30, 2004

'04

2004 Annual Report  
to Trust Beneficiaries per  
RCW 79.10.010

Trust / Beneficiaries	Number of Acres	Volume <sup>1</sup> (mbf) <sup>2</sup>
<b>Forest Board Transfer</b>		
Clallam	462	18,088
Clark	643	14,780
Cowlitz	192	4,929
Grays Harbor	6	92
Jefferson	130	4,420
King <sup>3</sup>	249	11,366
Kitsap	97	2,209
Klickitat	277	1,845
Lewis	707	18,754
Mason	422	8,696
Pacific	231	9,739
Pierce	220	10,949
Skagit	1,273	43,804
Skamania	440	3,495
Snohomish	1,134	40,495
Thurston	201	6,244
Wahkiakum	349	9,357
Whatcom	934	23,925
Subtotal - Forest Board Transfer	7,967	233,187
<b>Forest Board Purchase</b>		
Clark	42	544
Grays Harbor <sup>4</sup>	651	17,537
Thurston <sup>4</sup>	593	17,206
Subtotal - Forest Board Purchase	1,286	35,287
<b>Common School, Indemnity &amp; Escheat</b>	13,527	194,358
<b>Agricultural School</b>	1,105	18,247
<b>University - Transferred &amp; Original</b>	43	436
<b>CEP&amp;RI</b>	699	15,308
<b>Capitol Building</b>	1,279	27,547
<b>Normal School</b>	239	6,928
<b>Scientific School</b>	709	16,453
<b>Community &amp; Technical College</b>		
Forest Reserve	0	2
Subtotal - Granted Trusts	17,601	279,279
<b>TOTAL - ALL TRUSTS</b>	<b>26,847</b>	<b>547,749</b>

<sup>1</sup> Timber volume sold per acre depends on site-specific conditions and harvest method.

<sup>2</sup> mbf: thousand board feet

<sup>3</sup> Includes Water Pollution Control data.

<sup>4</sup> Includes Forest Board repayment. (See Fiscal Section, page 52, note 9.)

## Notes

► Timber is sold before it is harvested. Timber sale contracts average two years in length, with timber harvest schedules determined by individual purchasers. Sale and harvest of timber may or may not occur in the same fiscal year. Revenues are generated when timber is harvested.

► Market conditions can influence number of sales and volume sold.

► Sales which contain more than one trust beneficiary report estimated acres and volume for each specific trust. Sales which benefit more than one trust distribute revenues proportionally by volume and not by acres.

► Numbers may not add due to rounding.

## Sources

► DNR Revenue Management System database, Report TSC311; 12/04.

# '04

2004 Annual Report  
to Trust Beneficiaries per  
RCW 79.10.010

Trust / Beneficiaries	Acres Planted <sup>2</sup>	Stems per Acre <sup>3</sup>	Precommercially Thinned Acres <sup>4</sup>
<b>Forest Board Transfer</b>			
Clallam	1,060	323	347
Clark	364	360	55
Cowlitz	599	373	0
Grays Harbor	30	417	0
Jefferson	246	290	0
King <sup>5</sup>	247	434	0
Kitsap	150	301	0
Klickitat	230	315	0
Lewis	462	355	0
Mason	369	302	166
Pacific	244	330	25
Pierce	61	316	0
Skagit	1,284	293	1,430
Snohomish	550	293	2,237
Thurston	156	368	0
Wahkiakum	162	374	0
Whatcom	674	296	304
Subtotal - Forest Board Transfer	6,887	NA	4,564
<b>Forest Board Purchase</b>			
Grays Harbor	619	328	126
Mason	125	285	0
Pacific	97	259	37
Pierce	21	302	0
Thurston	600	303	123
Subtotal - Forest Board Purchase	1,462	NA	286
<b>Common School, Indemnity &amp; Escheat</b>	3,945	266	2,904
<b>Agricultural School</b>	232	297	21
<b>University - Transferred &amp; Original</b>	112	257	111
<b>CEP&amp;RI</b>	458	304	78
<b>Capitol Building</b>	654	238	805
<b>Normal School</b>	199	301	314
<b>Scientific School</b>	398	313	117
<b>Community &amp; Technical College</b>			
Forest Reserve	48	134	208
<b>TOTAL - ALL TRUSTS</b>	<b>14,396</b>	<b>NA</b>	<b>9,408</b>

<sup>1</sup> Silvicultural activities are forest management practices; implementation of silvicultural practices varies according to site-specific conditions and availability of management funding.

<sup>2</sup> Acres planted include all planting processes and all tree species.

<sup>3</sup> Stems per acre planted depend on site-specific conditions and anticipated survival rates.

<sup>4</sup> Precommercially thinned acres increase yield rate per acre by selectively decreasing overcrowding of saplings.

<sup>5</sup> Includes Water Pollution Control data.

## Note

Numbers may not add due to rounding.

## Source

DNR Planning and Tracking System database, 1/05.

# Timber Volume Harvested<sup>1</sup> July 1, 2003 – June 30, 2004

'04

2004 Annual Report  
to Trust Beneficiaries per  
RCW 79.10.010

Trust / Beneficiaries	Volume <sup>2</sup> (mbf) <sup>3</sup>
<b>Forest Board Transfer</b>	
Clallam	23,756
Clark	14,647
Cowlitz	8,788
Grays Harbor	173
Jefferson	4,053
King <sup>4</sup>	12,297
Kitsap	5,513
Klickitat	1,775
Lewis	21,566
Mason	16,651
Pacific	7,097
Pierce	16,899
Skagit	43,097
Skamania	787
Snohomish	47,005
Thurston	9,515
Wahkiakum	5,182
Whatcom	31,356
Subtotal - Forest Board Transfer	270,157
<b>Forest Board Purchase</b>	
Clark	115
Cowlitz	659
Grays Harbor <sup>5</sup>	20,765
Pacific <sup>6</sup>	2,590
Pierce <sup>6</sup>	2,155
Skamania	173
Thurston <sup>5</sup>	42,958
Subtotal - Forest Board Purchase	69,415
<b>Common School, Indemnity &amp; Escheat</b>	182,703
<b>Agricultural School</b>	12,847
<b>University-Transferred &amp; Original</b>	2,643
<b>CEP&amp;RI</b>	25,558
<b>Capitol Building</b>	25,163
<b>Normal School</b>	5,462
<b>Scientific School</b>	21,596
<b>Community &amp; Technical College</b>	
Forest Reserve	507
Subtotal - Granted Trusts	276,479
<b>TOTAL - ALL TRUSTS</b>	<b>616,051</b>

<sup>1</sup> Volume harvested is estimated for sales partially harvested.

<sup>2</sup> Timber volume harvested per acre depends on site-specific conditions and harvest method.

<sup>3</sup> mbf: thousand board feet

<sup>4</sup> Includes Water Pollution Control data.

<sup>5</sup> Includes Forest Board repayment. (See Fiscal Section, page 52, note 9.)

<sup>6</sup> Includes University Repayment data.

## Notes

► Timber is sold before it is harvested. Timber sale contracts average two years in length, with timber harvest schedules determined by individual purchasers. Sale and harvest of timber may or may not occur in the same fiscal year. Revenues are generated when timber is harvested.

► Sales which contain more than one trust beneficiary report estimated volume harvested for each specific trust. Sales which benefit more than one trust distribute revenues proportionally by volume and not by acres.

► Numbers may not add due to rounding.

## Sources

► DNR Revenue Management System database, Report TSC311, 12/04.

# Timber Acres Harvested<sup>1</sup> July 1, 2003 – June 30, 2004

'04

2004 Annual Report  
to Trust Beneficiaries per  
RCW 79.10.010

Trust / Beneficiaries	Acres Commercially Thinned/ Small Wood <sup>2</sup>	Acres Partially Cut/ Older Stand Thinning <sup>3</sup>	Acres Clearcut/ Regeneration Harvest	Total Acres <sup>4</sup>	Average Year of Clearcut Stand
<b>Forest Board Transfer</b>					
Clallam	38	0	857	895	1932
Clark	0	41	455	496	1940
Cowlitz	30	4	197	233	1935
Grays Harbor	0	0	1	1	1932
Jefferson	26	0	177	204	1936
King	42	0	330	372	1935
Kitsap	0	0	230	230	1941
Klickitat	72	161	46	281	1906
Lewis	0	266	656	922	1941
Mason	11	0	697	709	1939
Pacific	0	0	228	228	1932
Pierce	51	0	343	394	1934
Skagit	40	77	1,192	1,311	1932
Skamania	74	0	0	75	1954
Snohomish	0	69	1,095	1,165	1930
Thurston	56	248	189	494	1937
Wahkiakum	36	52	118	206	1941
Whatcom	23	8	891	924	1931
Subtotal - Forest Board Transfer	506	931	7,711	9,149	NA
<b>State Forest Board Purchase</b>					
Clark	0	0	1	1	1929
Cowlitz	0	0	19	19	1939
Grays Harbor	41	89	319	450	1939
Pacific	0	0	29	29	1927
Pierce	9	0	35	45	1940
Skamania	18	0	1	19	1959
Thurston	3	123	853	980	1934
Subtotal - Forest Board Purchase	73	212	1,261	1,547	NA
<b>Common School, Indemnity/Escheat</b>	616	5,883	5,681	12,180	1928
<b>Agricultural School</b>	4	482	392	880	1929
<b>University - Transferred/Original</b>	5	0	134	139	1943
<b>CEP&amp;RI</b>	53	131	878	1,062	1937
<b>Capitol Building</b>	302	201	782	1,286	1934
<b>Normal School</b>	34	222	383	641	1930
<b>Scientific School</b>	66	128	491	686	1932
<b>Community &amp; Technical</b>					
<b>College Forest Reserve</b>	0	54	0	54	1941
Subtotal - Granted Trusts	1,080	7,101	8,741	16,928	NA
<b>TOTAL - ALL TRUSTS</b>	<b>1,662</b>	<b>8,249</b>	<b>17,717</b>	<b>27,629</b>	<b>NA</b>

<sup>1</sup> The department tracks harvest method information in ten categories; for purposes of this report, per RCW 79.10.010, the data are aggregated into three harvest methods.

<sup>2</sup> Commercial thinning/small wood generates revenue, promotes growth of the remaining trees and creates desired future forest conditions.

<sup>3</sup> Partial cuts/older stand thinnings generate revenue and help achieve desired future forest conditions.

<sup>4</sup> Total acres include total of all harvest activities.

## Notes

► Harvested acres shown are fiscal year 2004 activities only; acres are reported again in the future if additional harvest activities occur. Acres harvested are estimated for sales partially harvested. Timber volume harvested per acre depends on site-specific conditions and harvest method.

► Sales which contain more than one trust beneficiary report estimated acres harvested for each specific trust. Sales which benefit more than one trust distribute revenues proportionally by volume and not by acres.

► Numbers may not add due to rounding.

## Sources

► DNR Revenue Management System database, Report TSC348P2, 12/04.

# Acres Off-Base for Harvest July 1, 2003 – June 30, 2004

'04

2004 Annual Report  
to Trust Beneficiaries per  
RCW 79.10.010

Trust / Beneficiaries	Off-base acres <sup>1</sup>
<b>Forest Board Transfer</b>	
Clallam	16,793
Clark	1,825
Cowlitz	1,372
Grays Harbor	238
Jefferson	947
King	3,525
Kitsap	544
Klickitat	5,653
Lewis	3,513
Mason	2,183
Pacific	1,596
Pierce	474
Skagit	14,454
Skamania	10,726
Snohomish	7,418
Stevens	19
Thurston	4,482
Wahkiakum	1,056
Whatcom	8,207
Subtotal - Forest Board Tansfer	85,025
<b>Forest Board Purchase</b>	
Clallam	89
Clark	1,380
Cowlitz	150
Grays Harbor	2,168
Jefferson	3
Kitsap	10
Lewis	124
Mason	30
Pacific	956
Pierce	256
Skamania	838
Snohomish	24
Thurston	1,253
Whatcom	182
Subtotal - Forest Board Purchase	7,463
<b>Common School, Indemnity &amp; Escheat</b>	302,531
<b>Agricultural School</b>	6,348
<b>University - Transferred</b>	10,500
<b>CEP&amp;RI</b>	7,802
<b>Capitol Building</b>	17,471
<b>Normal School</b>	12,040
<b>Scientific School</b>	9,248
<b>University - Original</b>	343
<b>Community &amp; Technical College</b>	
Forest Reserve	77
<b>TOTAL - ALL TRUSTS</b>	<b>458,848</b>

## <sup>1</sup> OFF-BASE: Under the 1992

Forest Resource Plan, the department's principal forest resource policy document, forest lands are designated as on-base or off-base. On-base acres are those areas capable of producing timber, are not deferred from harvest, and are included in the department's long-range timber harvest plans, consistent with the 1996 sustainable harvest calculation.

Off-base acres include acres which cannot produce a recurring timber crop. Forest stands are classified as off-base, for example, when they are small, isolated, difficult to reach, or too costly to log.

Acres are designated off-base because they are inoperable, are low site, contain permanent research plots, are upland wildlife management areas, are timber gene pool reserves, are on unstable slopes, in riparian buffers, are located in a northern spotted owl nest patch, contain a northern spotted owl site center, are identified as murrelet habitat, or are included in the Olympic Experimental State Forest deferral areas.

Off-base land classifications are not permanent designations. The department may change the classification as specific forest stands or sites are re-evaluated.

Off-base acres include deferred acres, those where harvesting is postponed or deferred for a period of time.

## NOTES

► This 2004 Annual Report section includes all eastern Washington forestlands. Some east-side forestlands may not produce harvestable timber in 80 years, and are therefore classified off-base in the 1996 sustainable harvest calculation.

► Acreage updates and changes can occur over time due to technological refinements in data gathering and analysis, such as the Forest Resource Inventory System program.

► A specific site can be off-base due to one or more factors, some of which are noted above; a site may be designated off-base due to several factors simultaneously.

► Numbers may not add due to rounding or potential double counting.

## SOURCES

► Sustainable Harvest database, 1996; Forest Resource Plan, 1992.

**NOTE:** This chart is expected to be revised in future reports. Revisions may include new categories and definitions of "on-base" and "off-base" as a result.